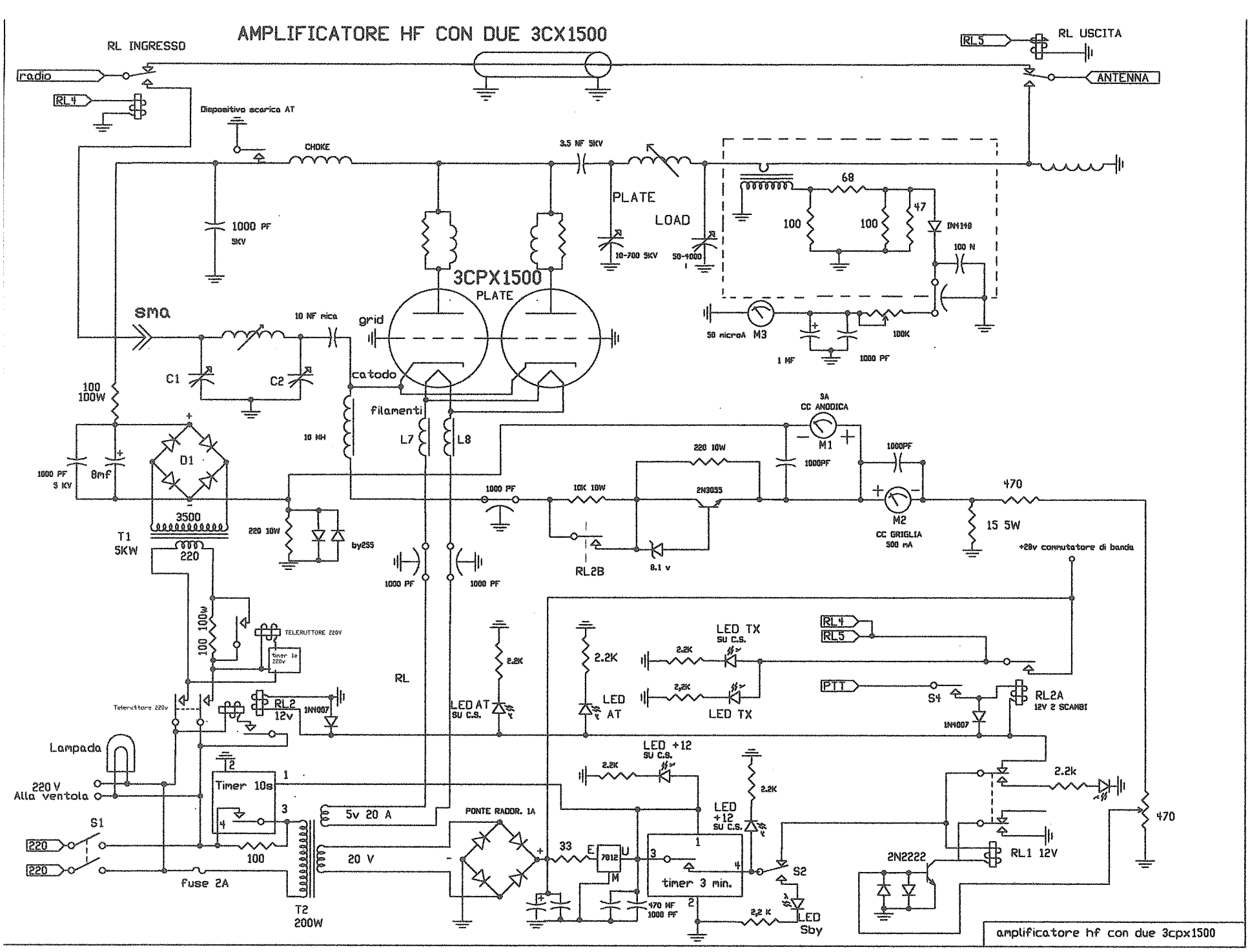

AMPLIFICATORE HF CON DUE 3CX1500
RL INGRESSO
radio
RL4
Dispositivo scarica AT
CHOKE
3.5 NF 5KV
PLATE
LOAD
1000 PF
5KV
10-700 5KV
50-4000
3CPX1500
PLATE
grid
catodo
filamenti
sma
10 NF mica
C1
C2
100
100W
10 MH
L7
L8
D1
1000 PF
5 KV
8mf
3500
T1
5KW
220
220 10W
by255
1000 PF
1000 PF
1000 PF
10K 10W
2N3055
RL2B
8.1 v
220 10W
1000PF
9A
CC ANODICA
M1
1000PF
M2
CC GRIGLIA
500 mA
470
15 5W
+28v commutatore di banda
68
100
100
47
IN4148
100 N
50 microA M3
100K
1 MF
1000 PF
RL USCITA
RL5
ANTENNA
100 100W
TELERUTTORE 220V
timer 1s 220v
Teleruttore 220v
RL2
12v
1N4007
RL
2.2K
LED AT
SU C.S.
LED TX
SU C.S.
2.2K
LED
AT
2.2K
LED TX
RL4
RL5
PTT
S4
1N4007
RL2A
12V 2 SCAMBI
LED +12
SU C.S.
2.2K
2.2K
LED
+12
SU C.S.
2.2k
470
Lampada
220 V
Alla ventola
Timer 10s
5v 20 A
PONTE RADDR. 1A
S1
220
220
100
fuse 2A
20 V
T2
200W
33
7812
470 MF
1000 PF
timer 3 min.
2,2 K
LED
Sby
S2
2N2222
RL1 12V
amplificatore hf con due 3cpx1500

ingresso 220

uscita 220 trasf. servizi

uscira 220 pilota teleruttore

ucita 220 trasf. filamenti

ingresso 20 v. alternata

ingresso 20 v: alternata

+28v al comm. banda

+ 12 volt dall' inter.

+12 volt all' inter.

ptt

led tx

rl antenna

rl ingresso

massa

dal catodo

+ strum cc anod

+ strum cc grid

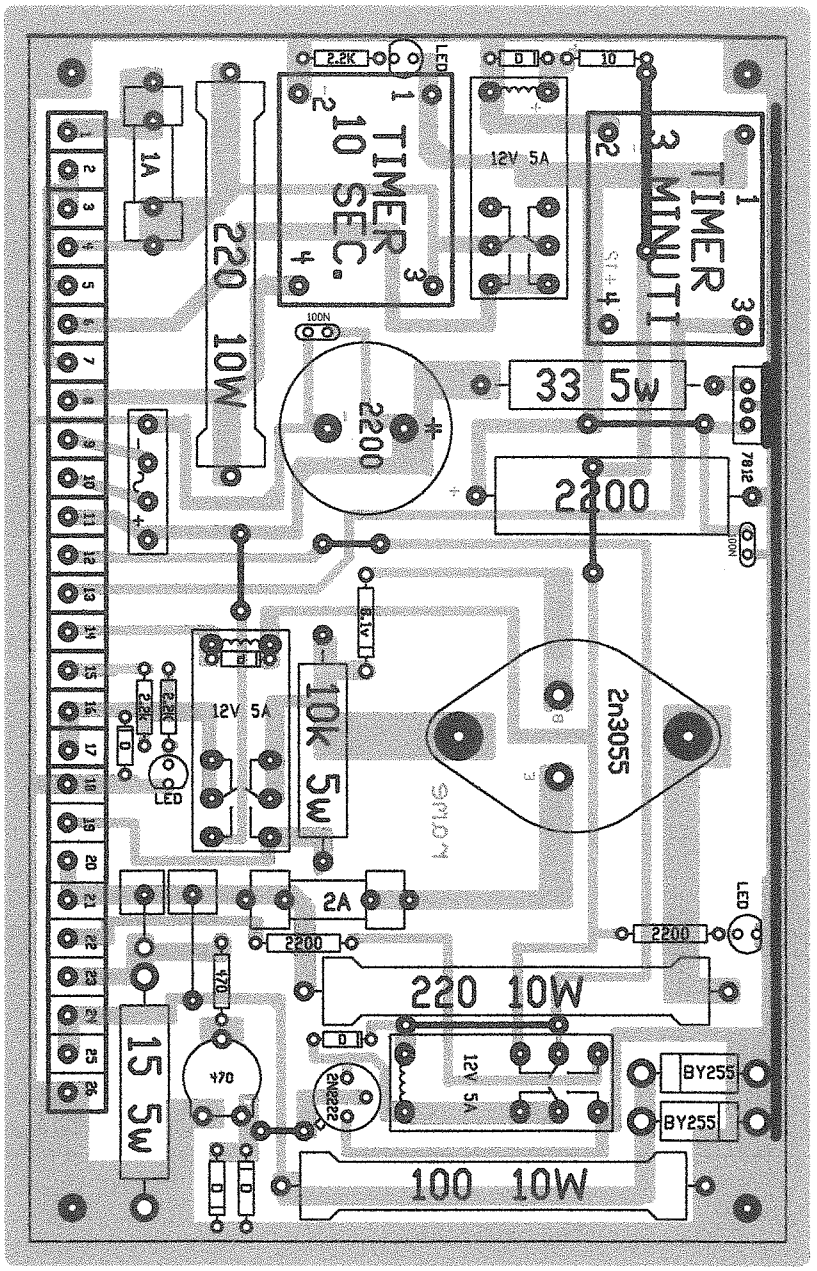
led cc grid

- strum grid

- strum cc anod

- alimentazione at

massa



ingresso 220

uscita 220 trasf. servizi

uscira 220 pilota teleruttore

ucita 220 trasf. filamenti

ingresso 20 v. alternata

ingresso 20 v: alternata

+28v al comm. banda

+ 12 volt dall' inter.

+12 volt all' inter.

ptt

led tx

rl antenna

rl ingresso

massa

dal catodo

+ strum cc anod

+ strum cc grid

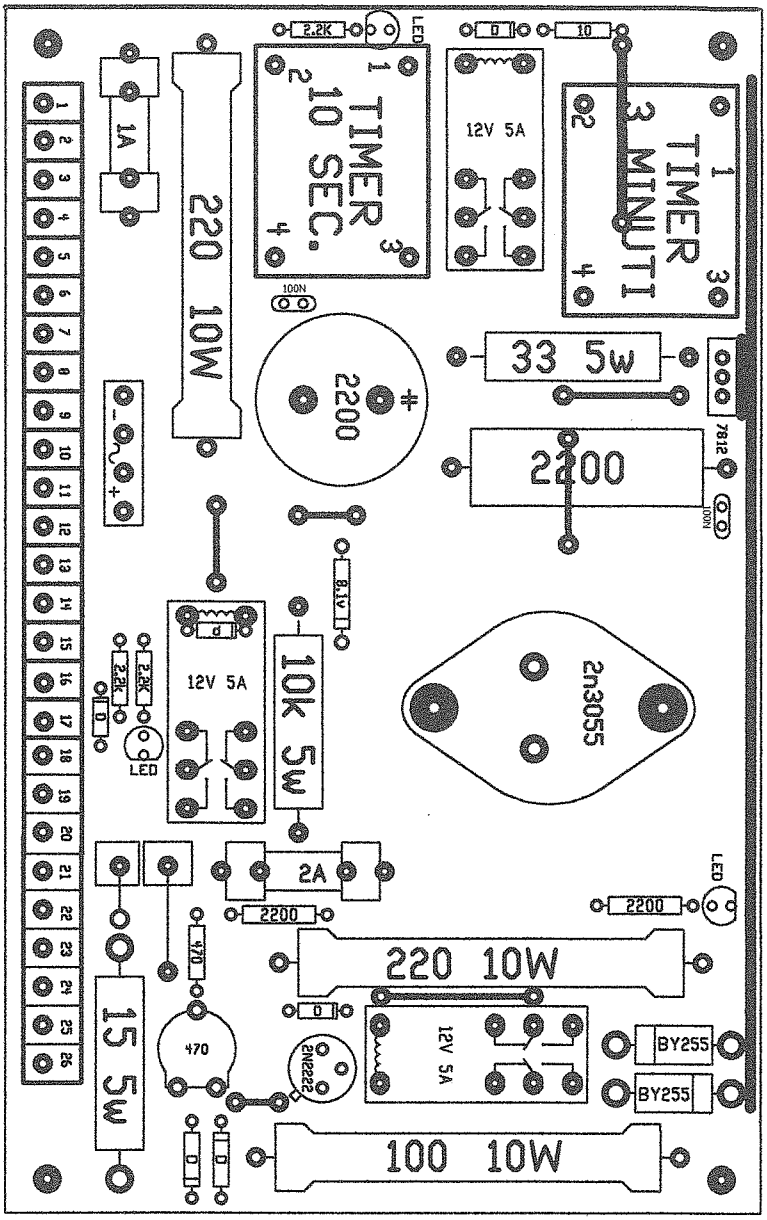
led cc grid

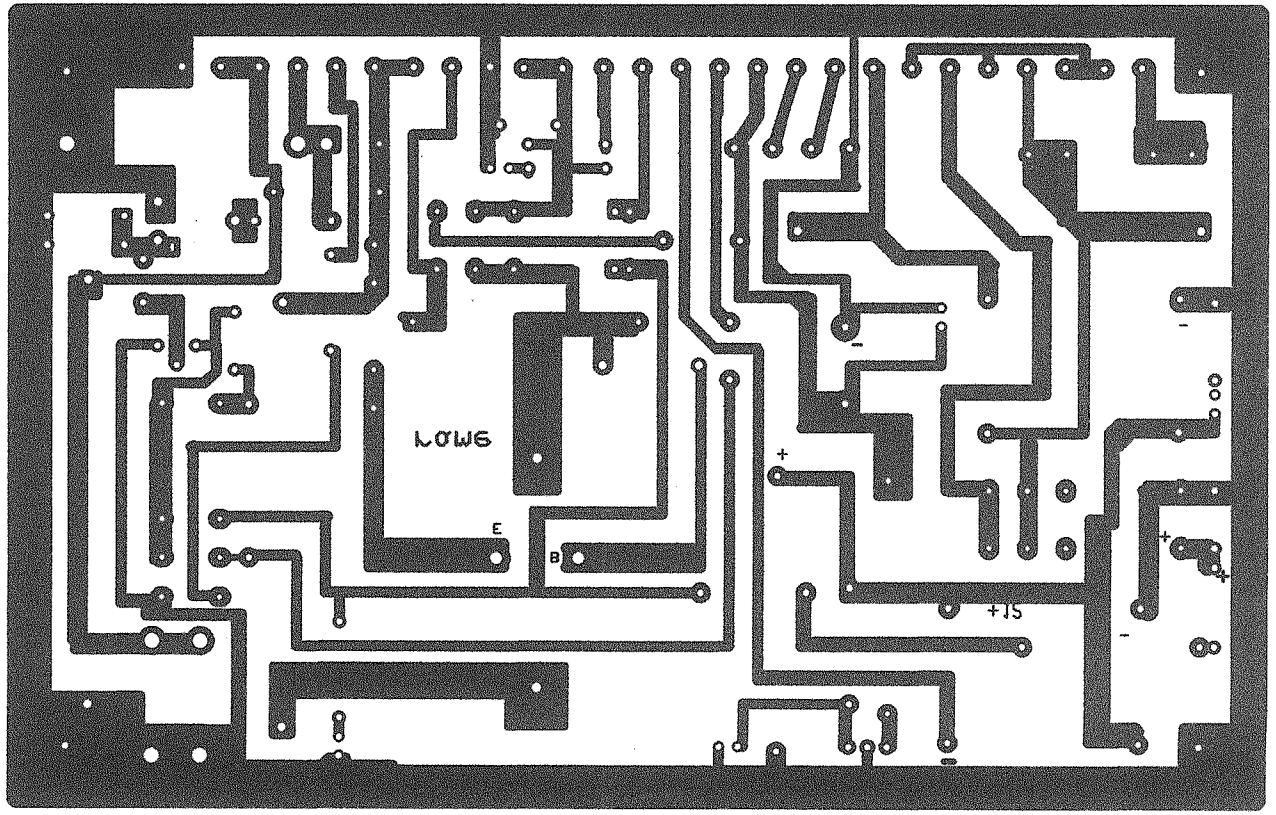
- strum grid

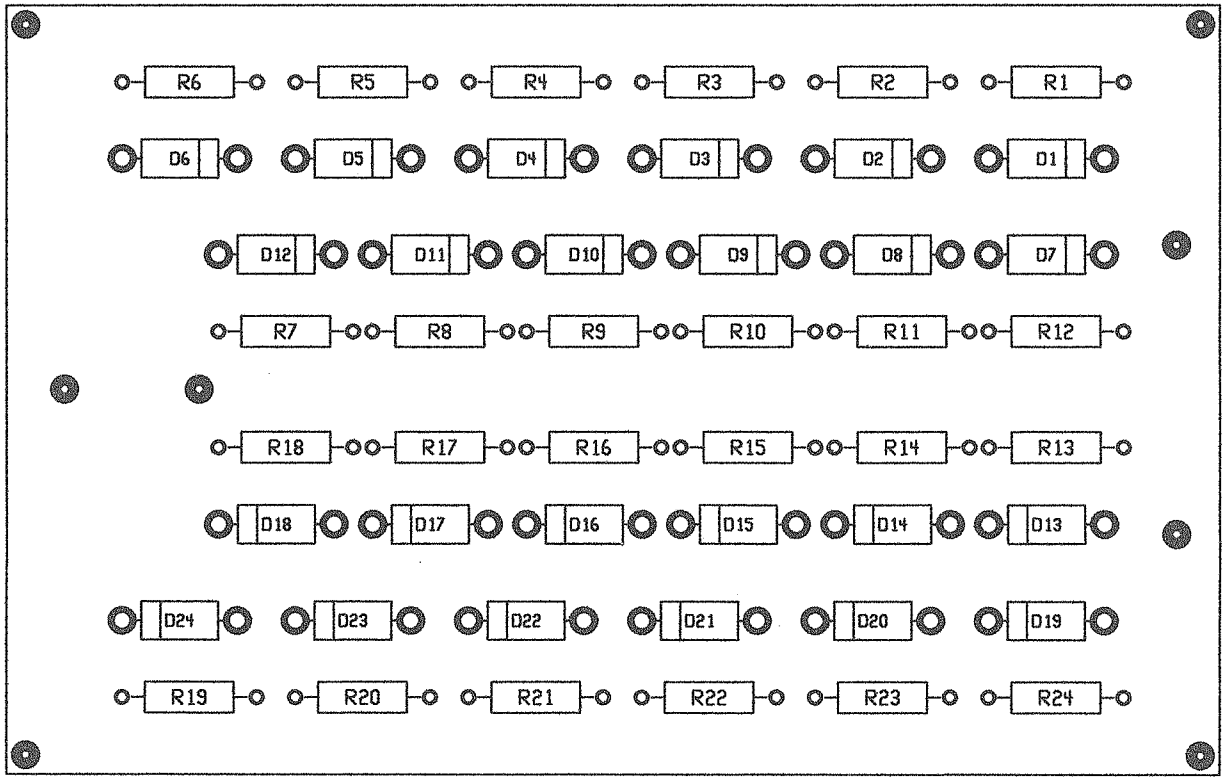
- strum cc anod

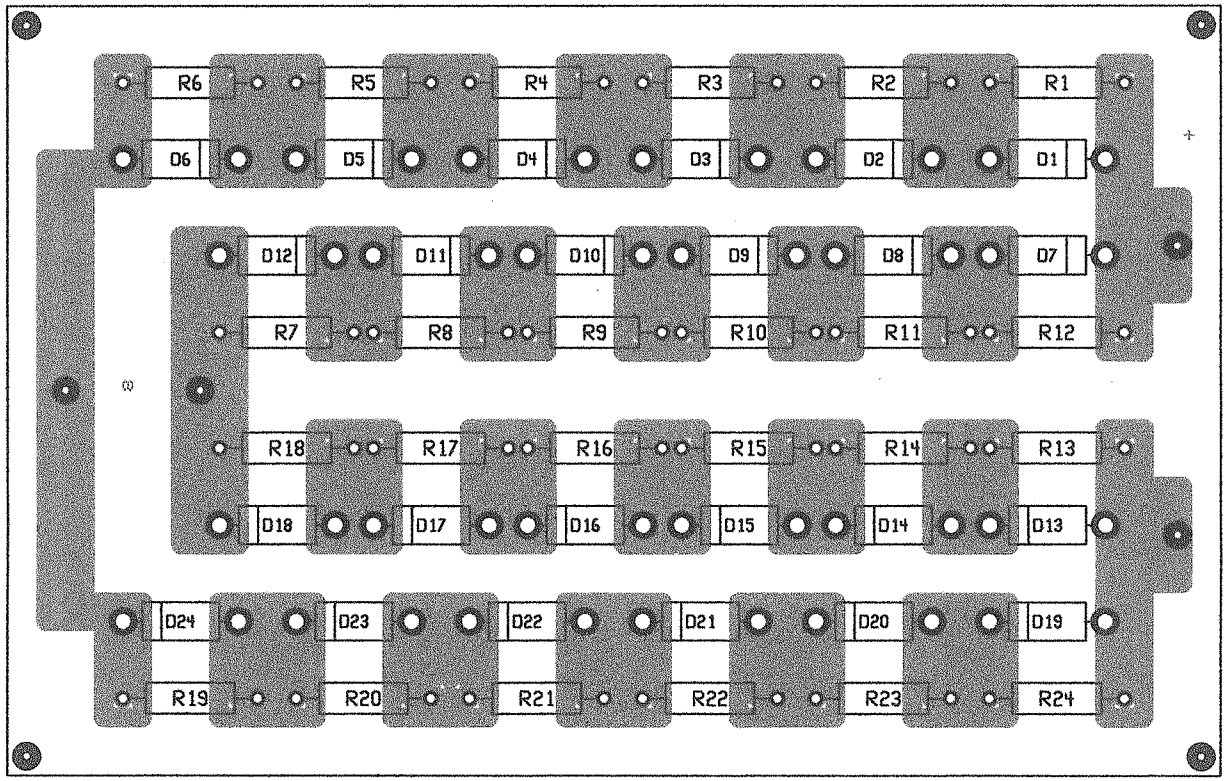
- alimentazione at

massa




LOW6
E
B
+15
+
-


R6
R5
R4
R3
R2
R1
D6
D5
D4
D3
D2
D1
D12
D11
D10
D9
D8
D7
R7
R8
R9
R10
R11
R12
R18
R17
R16
R15
R14
R13
D18
D17
D16
D15
D14
D13
D24
D23
D22
D21
D20
D19
R19
R20
R21
R22
R23
R24


R6
R5
R4
R3
R2
R1
D6
D5
D4
D3
D2
D1
D12
D11
D10
D9
D8
D7
R7
R8
R9
R10
R11
R12
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R16
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R14
R13
D18
D17
D16
D15
D14
D13
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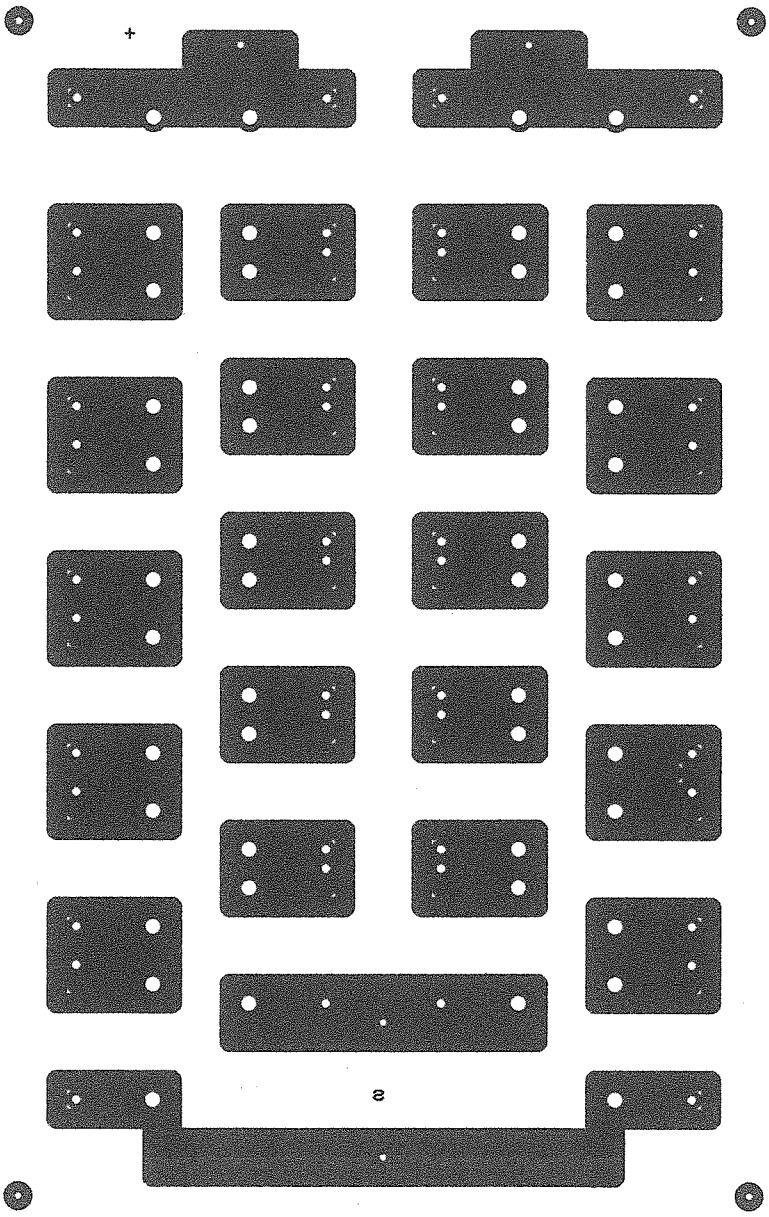
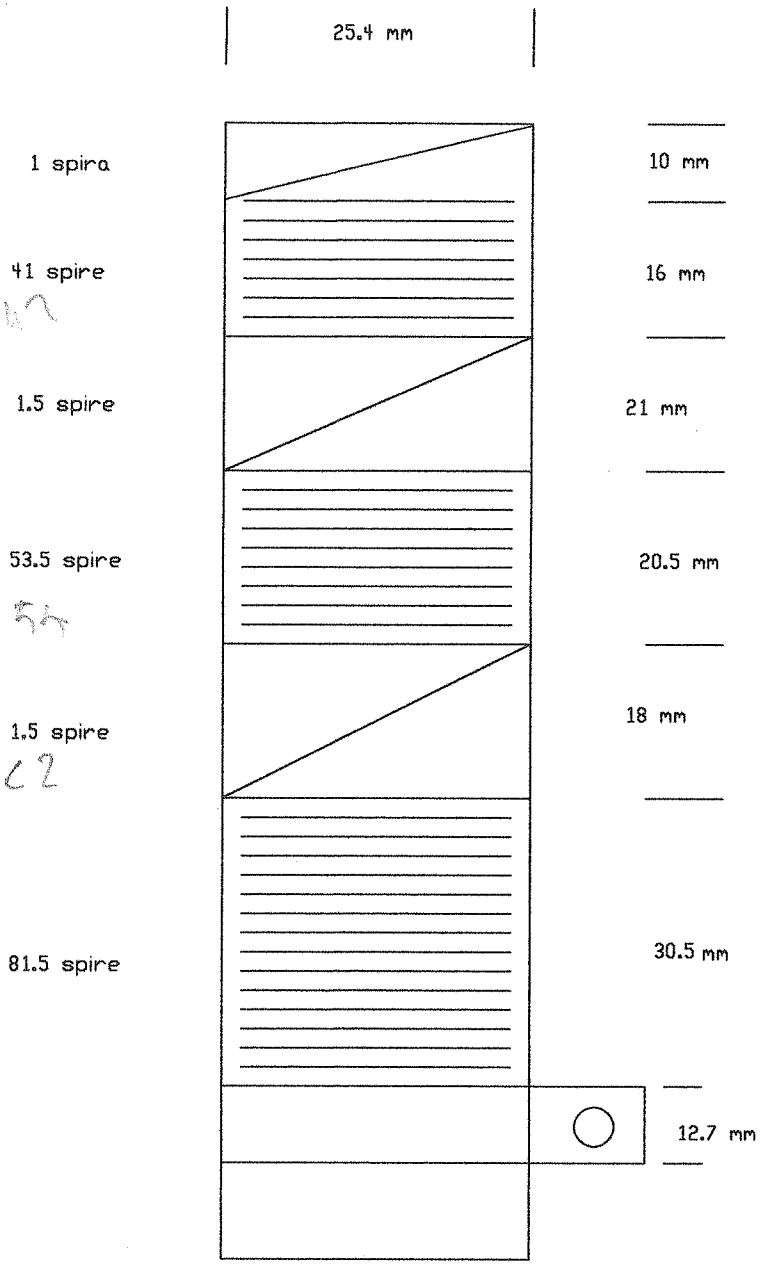
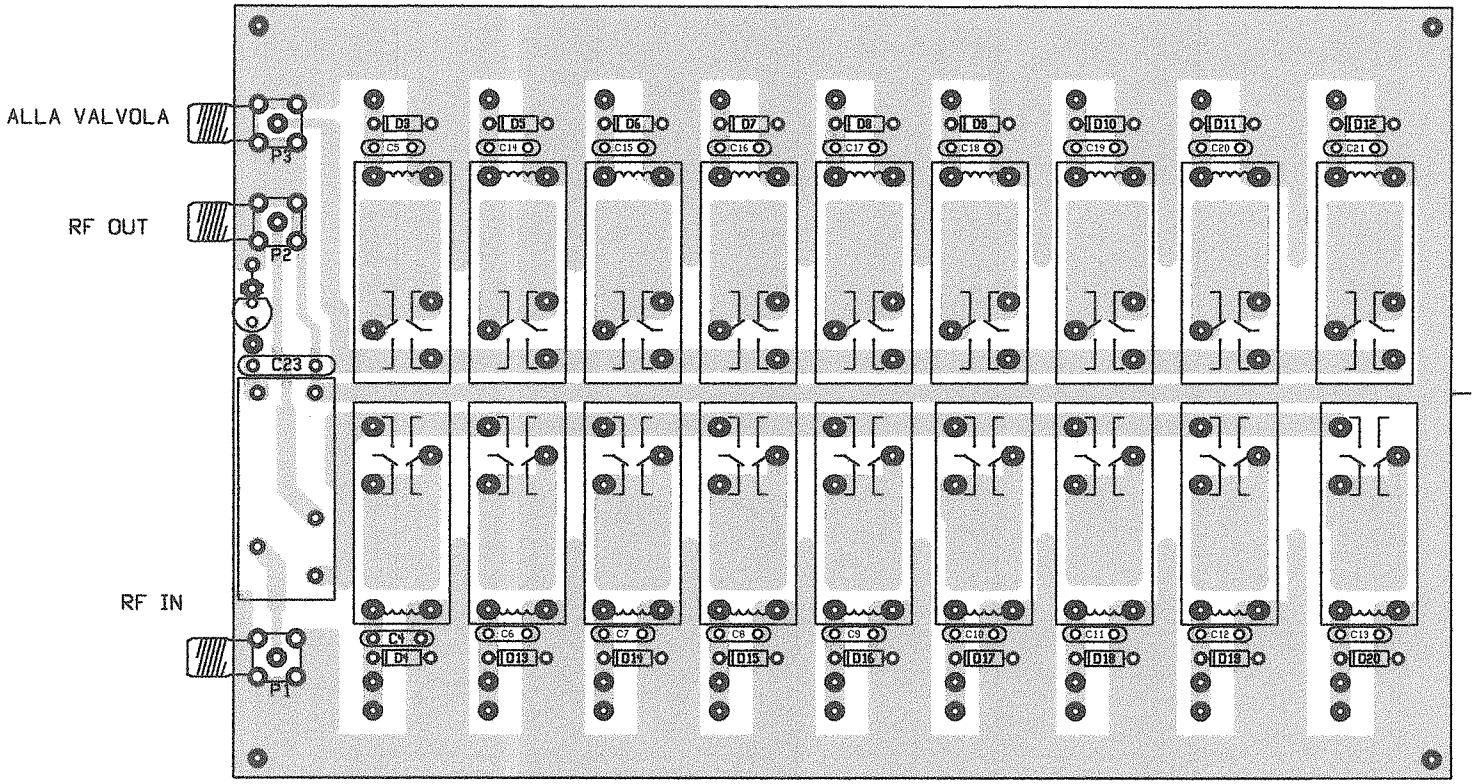
D23
D22
D21
D20
D19
R19
R20
R21
R22
R23
R24



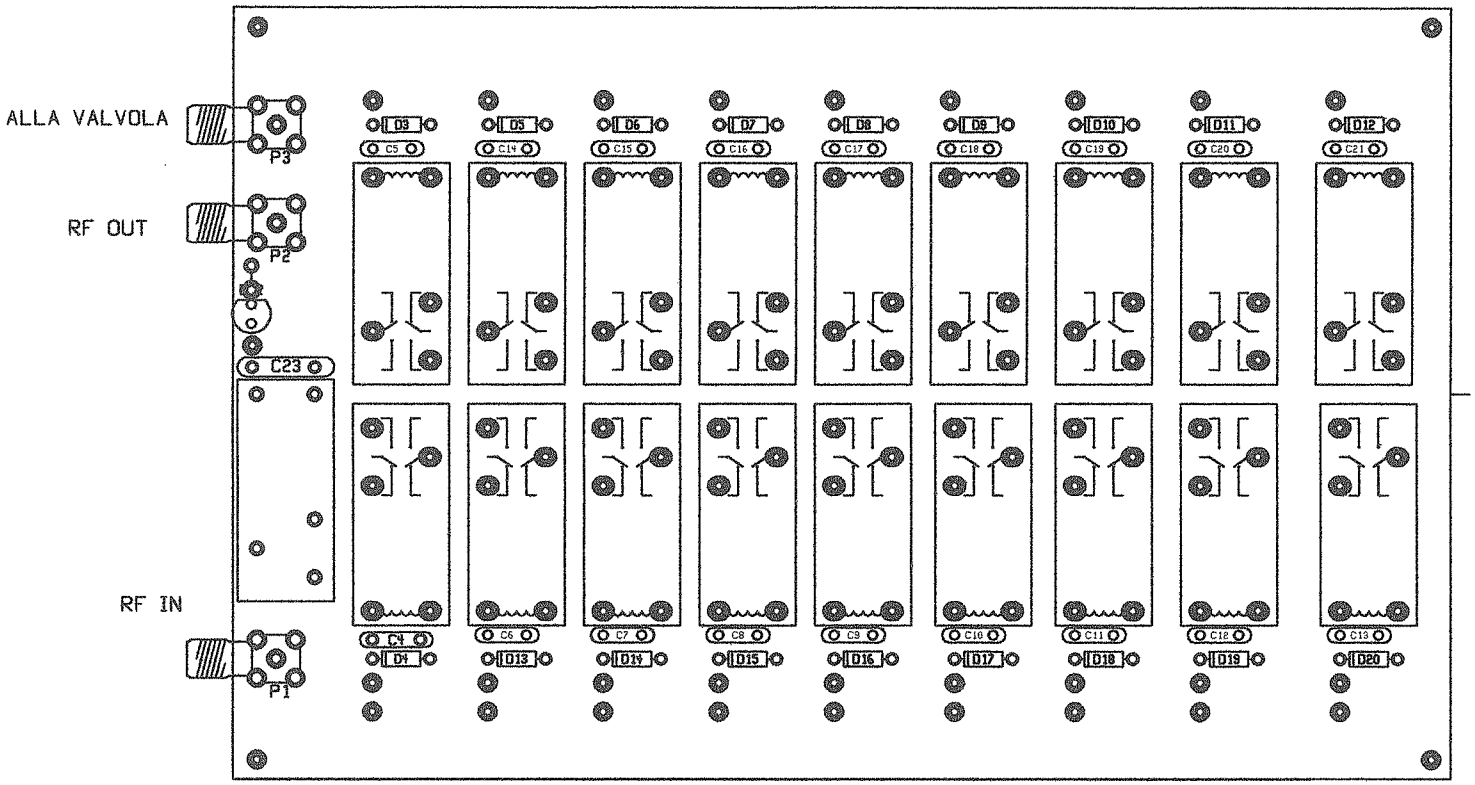
choke alimentazione AT su ceramica



filo da 0.315 mm diametro
totale di 250 microH.

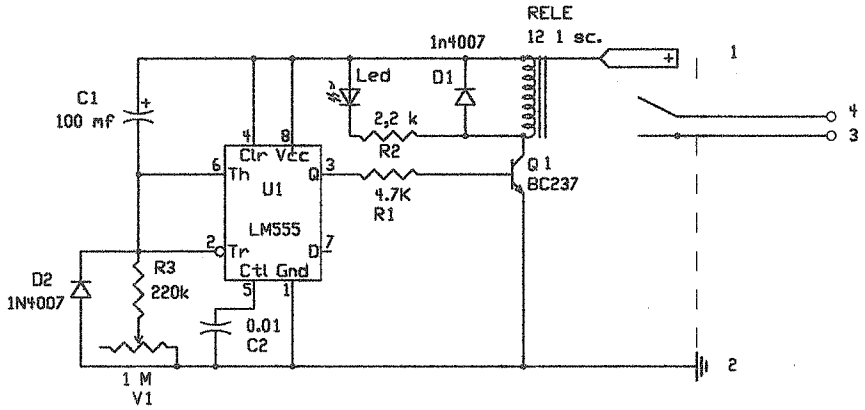


RFIN	3CX1500	LATO RAME



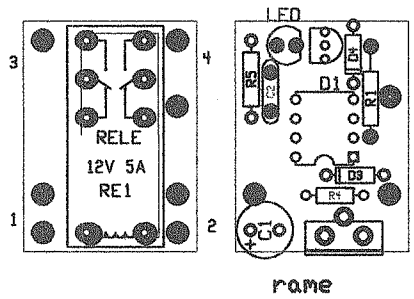
RFIN 3CX1500 LATO RAME

TIMER 3 MINUTI



TIMER

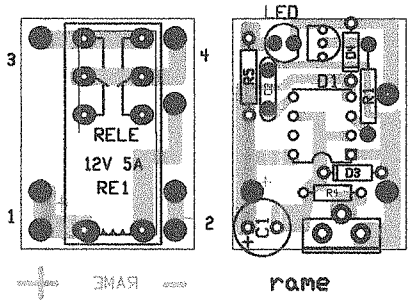
CIRCUITO STAMPATO TIMER 3 MINUTI



LE DUE BASETTE VENGONO SOVRAPPOSTE E COLLEGATE
VERTICALMETE IN TRE PUNTI

TIMER TRE MINUTI

CIRCUITO STAMPATO TIMER 3 MINUTI



LE DUE BASETTE VENGONO SOVRAPPOSTE E COLLEGATE
VERTICALMETE IN TRE PUNTI

TIMER TRE MINUTI

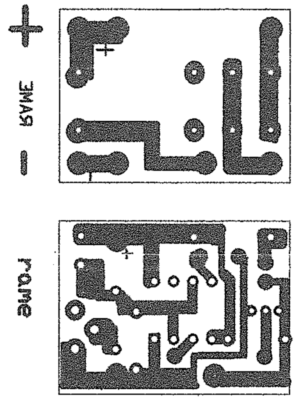


PLATE		LOAD	
NR. CONTAGIRI	PF	NR. CONTAGIRI	PF
0	16	1	40
6	20	2	54
11	25	3	106
15	30	4	230
17	35	5	380
20	40	6	530
26	50	7	670
30	62	8	820
33	80	9	960
35	100	10	1100
37	130	11	1250
39	150	12	1400
41	180	13	1550
43	200	14	1690
48	250	15	1840
50	280	16	2000
51	300	17	2150
54	350	18	2300
57	400	19	2450
		20	2600
		21	2750
		22	2900
		23	3000

Eingangs-Impedanz Z1 in Ohm = 2000
Ausgangs-Impedanz Z2 in Ohm = 50
Optimal ---> Q = 13

MHz	C1 (PF)	C2 (PF)	L (µH)
1.80	575	3188	15.40
3.65	283	1572	7.59
7.05	147	814	3.93
10.10	102	568	2.74
14.20	73	404	1.95
18.10	57	317	1.53
21.20	49	271	1.31
24.95	41	230	1.11
28.70	36	200	0.97

Eingangs-Impedanz Z1 in Ohm = 1500
Ausgangs-Impedanz Z2 in Ohm = 50
Optimal ---> Q = 12

MHz	C1 (PF)	C2 (PF)	L (µH)
1.80	707	3462	12.77
3.65	349	1707	6.30
7.05	181	884	3.26
10.10	126	617	2.28
14.20	90	439	1.62
18.10	70	344	1.27
21.20	60	294	1.08
24.95	51	250	0.92
28.70	44	217	0.80

Eingangs-Impedanz Z1 in Ohm = 1300
Ausgangs-Impedanz Z2 in Ohm = 50
Optimal ---> Q = 11

MHz	C1 (PF)	C2 (PF)	L (µH)
1.80	748	3398	12.17
3.65	369	1676	6.00
7.05	191	868	3.11
10.10	133	606	2.17
14.20	95	431	1.54
18.10	74	338	1.21
21.20	64	289	1.03
24.95	54	245	0.88
28.70	47	213	0.76

Eingangs-Impedanz Z1 in Ohm = 1700
Ausgangs-Impedanz Z2 in Ohm = 50
Optimal ---> Q = 12

MHz	C1 (PF)	C2 (PF)	L (µH)
1.80	624	3195	14.31
3.65	308	1576	7.06
7.05	159	816	3.65
10.10	111	569	2.55
14.20	79	405	1.81
18.10	62	318	1.42
21.20	53	271	1.22
24.95	45	231	1.03
28.70	39	200	0.90

WD7S PRODUCTIONS
TU-6B TUNED INPUT BOARD

COMPONENT DATA FOR
50 OHM IMPEDANCE Q=2

29-24 MHZ	C1= * 100pf	L1= 7T #20 T-50-6	C5= 100pf
21-18 MHZ	C2= * 150pf	L2= 8T #20 T-50-6	C6= 150pf
14-10 MHZ	C3= * 220pf	L3= 11T #20 T-50-6	C7= 220pf
7 MHZ	C4= * 420pf	L4= 13T #20 T-68-2	C8= 470pf
3.8 MHZ	C9= * 750pf	L5= 17T #22 T-68-2	C11= 820pf
1.8 MHZ	C10= * 1300pf	L6= 26T #22 T-68-2	C12= 1600pf

COMPONENT DATA FOR
25 OHM IMPEDANCE Q=2

29-24 MHZ	C1= *140pf	L1= 6T #20 T-50-6	C5= 150pf
21-18 MHZ	C2= *200pf	L2= 7T #20 T-50-6	C6= 200pf
14-10 MHZ	C3= *280pf	L3= 8T #20 T-50-6	C7= 300pf
7 MHZ	C4= *520pf	L4= 10T #20 T-68-2	C8= 620pf
3.8 MHZ	C9= *850pf	L5= 14T #22 T-68-2	C11= 1100pf
1.8 MHZ	C10= *1200pf	L6= 21T #22 T-68-2	C12= 2200pf

COMPONENT DATA FOR
100 OHM INPUT IMPEDANCE Q=2

29-24 MHZ	C1= *75pf	L1= 9T #20 T-50-6	C5= 68pf
21-18 MHZ	C2= *110pf	L2= 10T #20 T-50-6	C6= 100pf
14-10 MHZ	C3= *150pf	L3= 13T #20 T-50-6	C7= 150pf
7 MHZ	C4= *280pf	L4= 15T #20 T-68-2	C8= 270pf
3.8 MHZ	C9= *510pf	L5= 21T #22 T-68-2	C11= 510pf
1.8 MHZ	C10= *1000pf	L6= 30T #22 T-68-2	C12= 1100pf

COMPONENT DATA FOR
75 OHM INPUT IMPEDANCE Q=2

29-24 MHZ	C1= *82pf	L1= 8T #20 T-50-6	C5= 82pf
21-18 MHZ	C2= *120pf	L2= 9T #20 T-50-6	C6= 120pf
14-10 MHZ	C3= *180pf	L3= 12T #20 T-50-6	C7= 180pf
7 MHZ	C4= *350pf	L4= 14T #20 T-68-2	C8= 360pf
3.8 MHZ	C9= *640pf	L5= 19T #22 T-68-2	C11= 680pf
1.8 MHZ	C10= *1200pf	L6= 28T #22 T-68-2	C12= 1300pf